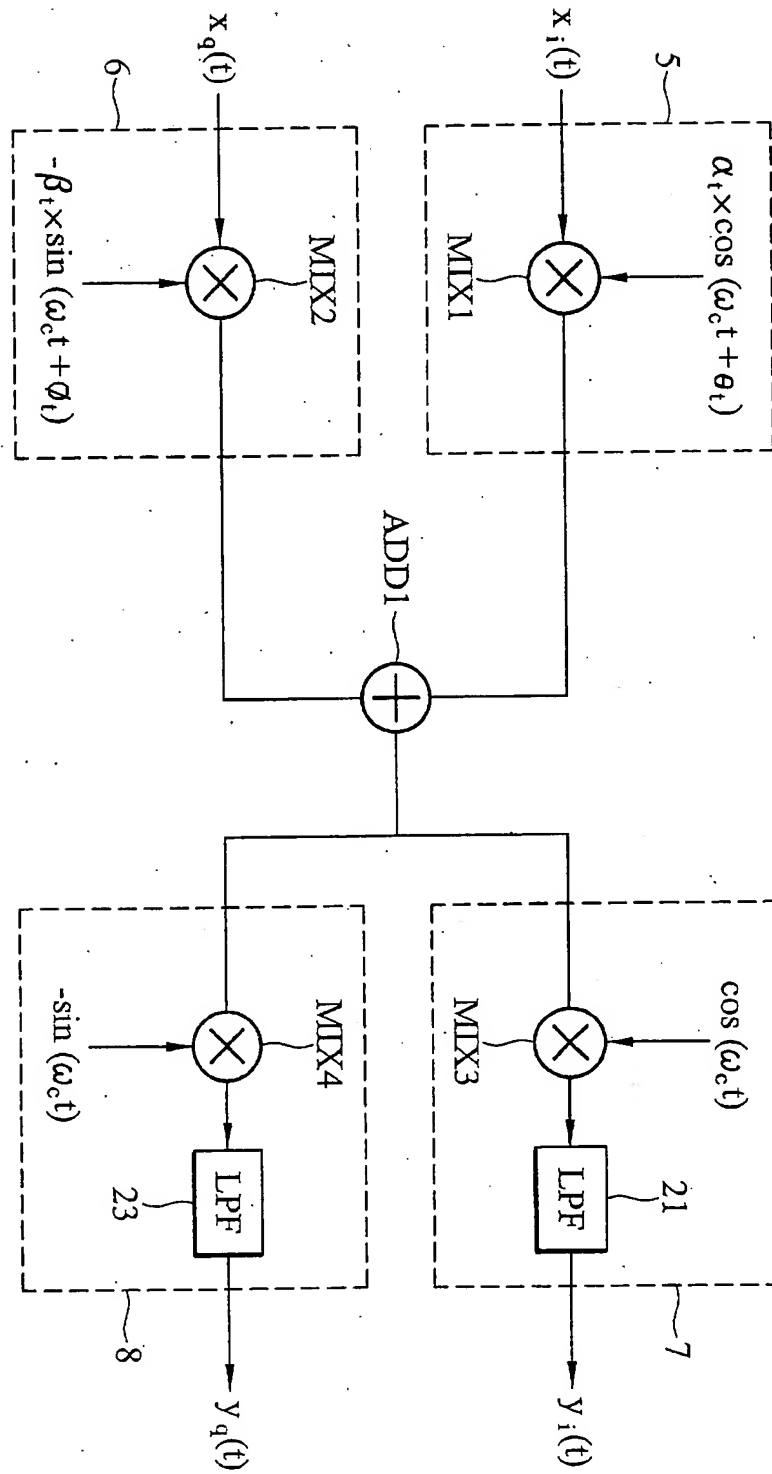


REPLACEMENT SHEET

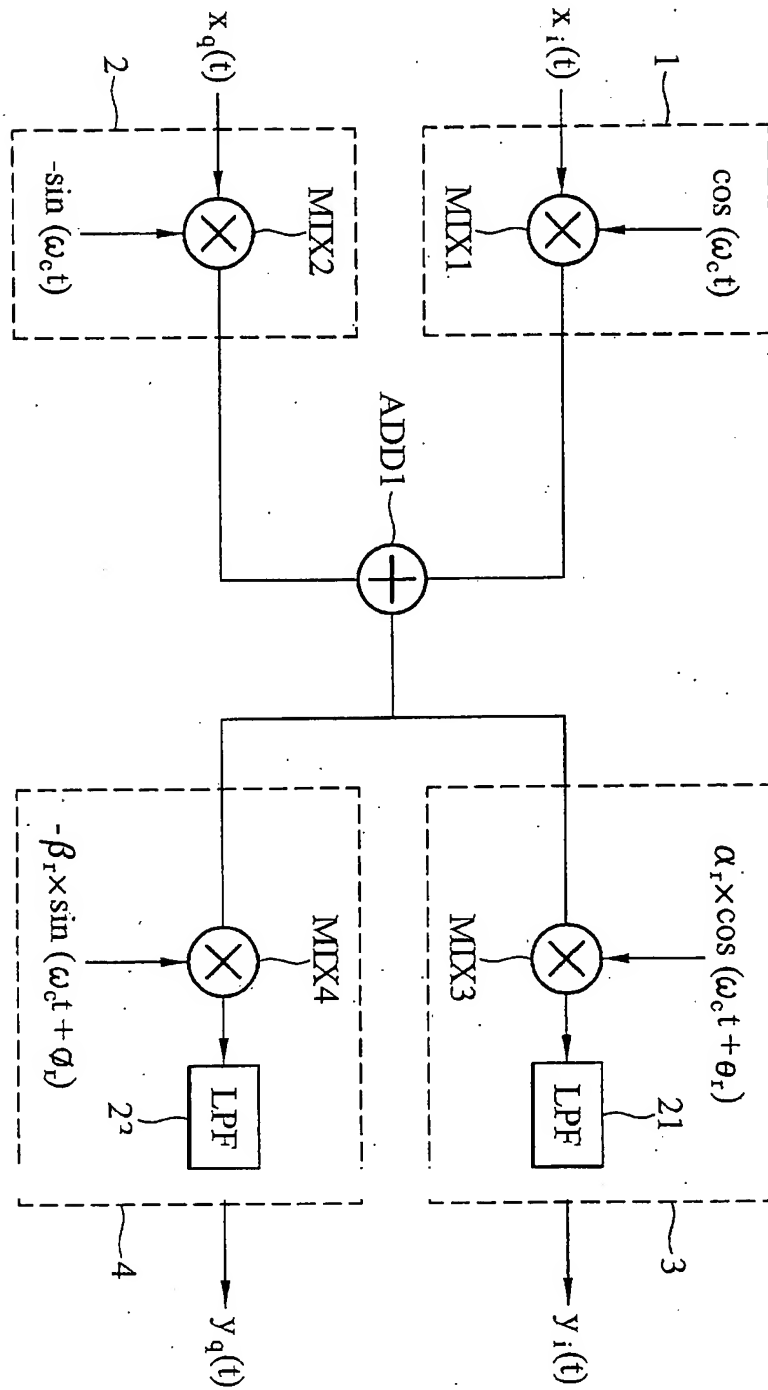


$$\begin{bmatrix} y_i(t) \\ y_q(t) \end{bmatrix} = \begin{bmatrix} \alpha_t \cos \theta_t & -\beta_t \sin \phi_t \\ \alpha_t \sin \theta_t & \beta_t \cos \phi_t \end{bmatrix} \cdot \begin{bmatrix} x_i(t) \\ x_q(t) \end{bmatrix}$$

FIG. 1B (PRIOR ART)



REPLACEMENT SHEET



$$\begin{bmatrix} y_i(t) \\ y_q(t) \end{bmatrix} = \begin{bmatrix} \alpha_r \cdot \cos \theta_r & \alpha_r \cdot \sin \theta_r \\ -\beta_r \cdot \sin \theta_r & \beta_r \cdot \cos \theta_r \end{bmatrix} \cdot \begin{bmatrix} x_i(t) \\ x_q(t) \end{bmatrix}$$

FIG. 1A (PRIOR ART)